

# 5.2

## Dimmers and Wipers

### Rotary Wipers

Rotary Wiper



5

### Contents

#### Description

Rotary Wipers

Technical Data and Specifications . . . . .

Dimensions . . . . .

Page

V11-T5-5

V11-T5-6

### Product Description

The rotary wiper has been designed to be a highly durable rotary wiper control for the transportation industry. The RW200 series wiper has four wiper control

positions via a rotating knob: Off, Intermittent, Continuous Low Speed and Continuous High Speed. The device has a washer function that operates the washer pump and wiper while the knob is depressed.

### Features

- Load Dump Protection
  - The switch will withstand a 120V load dump per SAE J1455
- Reverse Voltage Protection
  - The device will not be damaged when exposed to 12 Vdc for 5 minutes

### Options

- Variable bushing length
- Variable spindle length
- Choice of connectors
- Pad printing on knob

### Standards and Certifications

Meets SAE standards J1455, J1944 and J1988.

### Product Selection

To determine complete catalog number, start with the appropriate control type and add the appropriate code letters and/or numbers.

#### Rotary Wiper Code Numbers and Letters

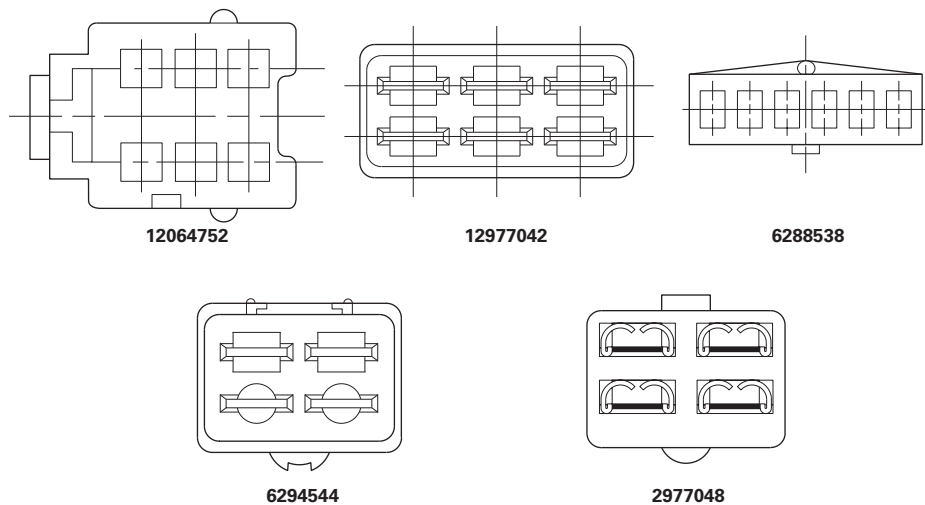
Series	Code	Voltage	Code	Packard Connectors	Code	Bushing Length in Inches (mm)	Code	Catalog Number
RW	RW	12 Vdc	200	12064752	12A	0.261 (6.63)	A	RW20012AA
						0.424 (10.77)	B	RW20012AB
				12977042	12B	0.261 (6.63)	A	RW20012BA
						0.424 (10.77)	B	RW20012BB
				6288538	12C	0.261 (6.63)	A	RW20012CA
						0.424 (10.77)	B	RW20012CB
				6294544 and 2977048	12D	0.261 (6.63)	A	RW20012DA
						0.424 (10.77)	B	RW20012DB

## Technical Data and Specifications

### Rotary Wipers

Description	Specification
Operating voltage range	9 Vdc to 16 Vdc
Continuous load rating	17A from $-40^{\circ}$ to $73^{\circ}\text{F}$ ( $-40^{\circ}$ to $23^{\circ}\text{C}$ ) Derated to 5A at $185^{\circ}\text{F}$ ( $85^{\circ}\text{C}$ )
Wiper electromechanical life	50,000 cycles
Electrical cycle life	250,000 cycles in the Intermittent position 300,000 cycles combined in the Low and High positions
Operating temperature	$-40^{\circ}$ to $185^{\circ}\text{F}$ ( $-40^{\circ}$ to $85^{\circ}\text{C}$ )
Humidity rating	Device will operate properly at 98% humidity between $-40^{\circ}$ and $100^{\circ}\text{F}$ ( $-40^{\circ}$ and $38^{\circ}\text{C}$ )
Mechanical shock	The switch will withstand a 3 ft drop on concrete
Vibration	The device will operate properly while being exposed to 133 hours of 1G rms vibration along all three axes, sweeping from 5 Hz to 1500 Hz at one octave per minute

### Connector Drawings



### Circuit Continuity

Switch Position	Circuit Continuity
Off	Open
Intermittent	Yellow—Red and brown
Low speed	Yellow
High speed	White
Washer	Brown
	Red—Positive
	Black—Negative

### Wire Terminations

Wire Color	Switch Connections
Yellow	Motor low speed terminal
White	Motor high speed terminal
Blue	Motor park terminal
Black	Ground
Brown	Washer pump
Red	+12 Vdc (positive)

# 5.2

## Dimmers and Wipers

### Rotary Wipers

#### Dimensions

Approximate Dimensions in Inches (mm)

#### RW200 Series

5

